FCC Broadcast Flag Update/Summary

2005-02-17

Tim Windsor

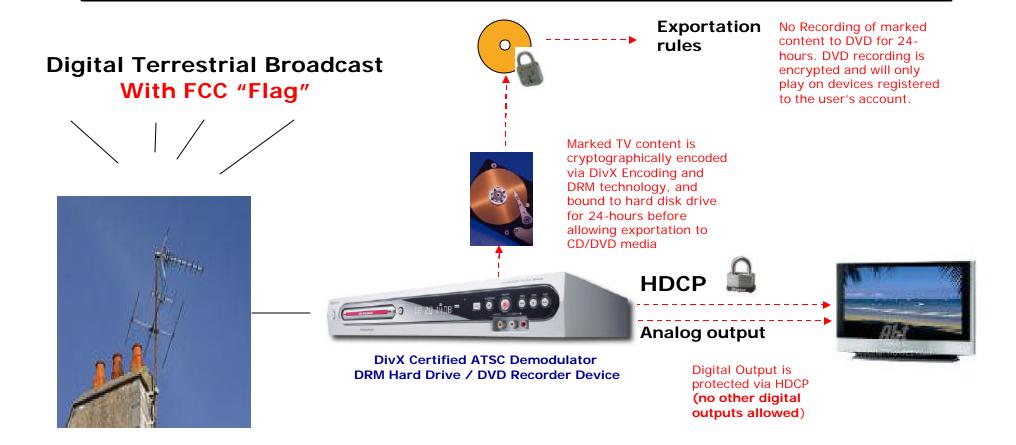
Dir. Product Management

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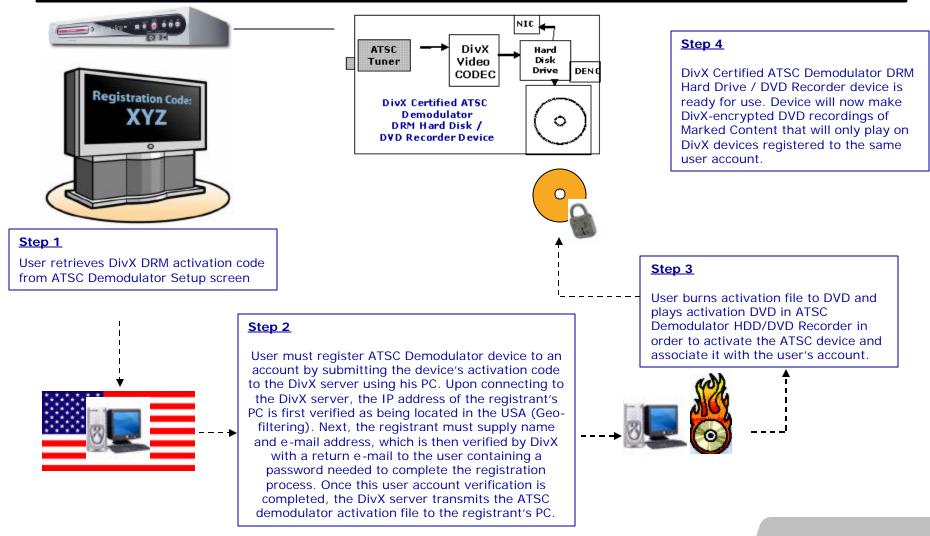


FCC Broadcast Flag – How it works... Encoding with DivX DRM





FCC Broadcast Flag – How it works... ATSC Demodulator Activation/Registration Process





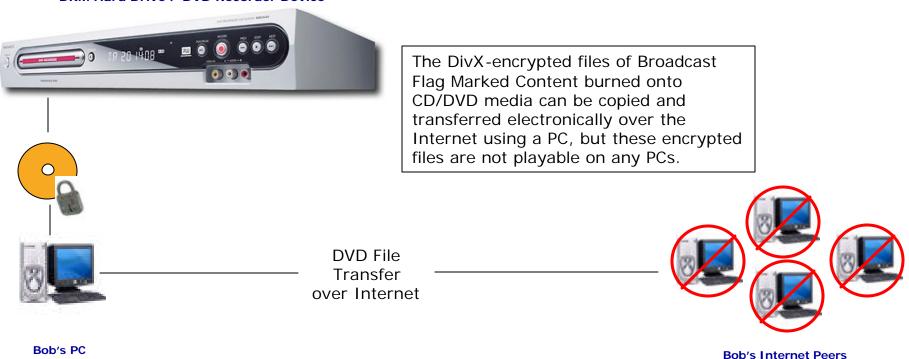
FCC Broadcast Flag – How it works... DivX DRM – Marked Content Protection

DivX Certified DVD/DMA Playback device DivX Certified ATSC Demodulator -. 1 1 00:23 **DRM Hard Drive / DVD Recorder Device Marked Content** encrypted with DivX DRM will only play on a limited number of DivX Certified CE devices REGISTERED TO THE SAME USER ACCOUNT (maximum 6 devices). NO After 24 hours from time of reception, Marked Content can be exported from the Hard Drive to CD/DVD media in DivX-encrypted format, Marked Content which is bound to the devices encrypted with DivX registered to the user's DRM will not play on account. PCs nor will it play on DivX Certified devices NOT REGSITERED TO THE SAME USER ACCOUNT.



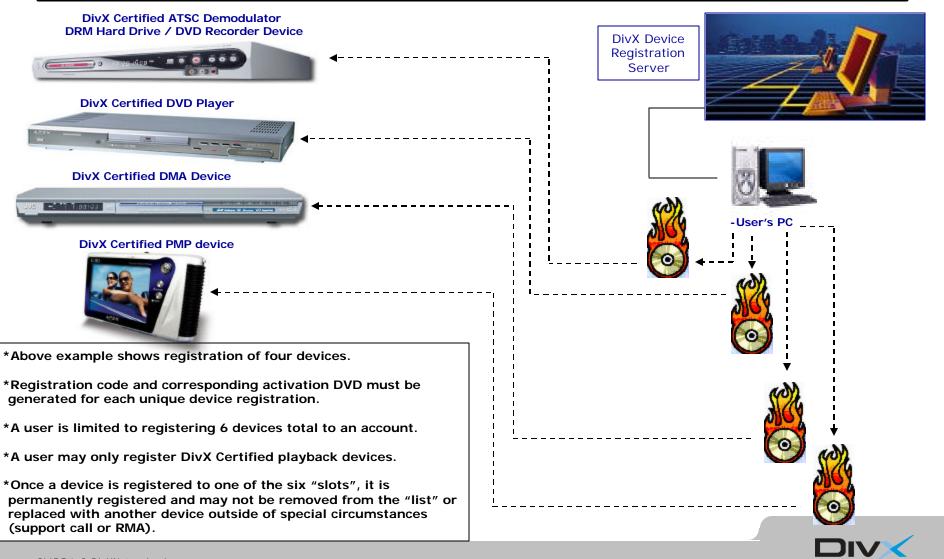
FCC Broadcast Flag – How it works... DivX DRM – Prevents "Indiscriminate" distribution

DivX Certified ATSC Demodulator DRM Hard Drive / DVD Recorder Device



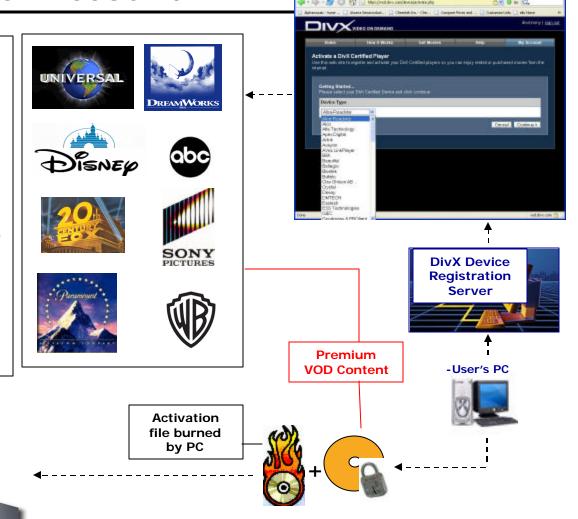


FCC Broadcast Flag – How it works... DivX DRM – Playback Device Registration



FCC Broadcast Flag – ATSC Demodulator Device Registration to User Account

- *DivX Networks will use an e-mail address verification process to confirm the identity of users registering DivX Certified ATSC Demodulator DRM Hard Drive / DVD Recorder Devices and DivX Certified DVD Players to the user's account.
- *Once the user's account is established through the ATSC demodulator activation process, it opens opportunities for DivX Networks to establish a stronger identity-based registration process through its offerings of DivX Networks' premium downloadable content for rendering on DivX Certified devices registered to the same user account.
- *User wishing to purchase premium downloadable content must supply credit card and billing address information that will be stored on DivX Networks secure servers. This will provide further disincentives for indiscriminate device registration sharing of a user's account.







DivX Certified ATSC Demodulator DRM Hard Drive / DVD Recorder Device





FCC Broadcast Flag – How it works... DivX DRM - "Indiscriminate" distributor limitation

User 1 likes to share music and video files on P2P Networks. He has recorded a "marked" TV program, and would like to attempt to circumvent DivX DRM protection in place.

User 1's DivX Certified ATSC Demodulator **DRM Hard Drive / DVD Recorder Device**



-User 1's PC

-User 1 wants to share a Marked TV program with User 2

-User 1 burns a disk after 24 hour wait and electronically transmits the media file to User 2.

-User 2 cannot play the file, since the file is associated with User 1's ID.

-User 2 sends User 1 his registration code from his DivX DVD player.

-User 1 goes online the DivX server and registers User 2's device, adding User 2's player to User 1's user group. (using up one of his 6 limited registrations...) User 1 will not be able to remove User 2's device.)

-User 1 sends User 2 the activation file

-User 2 must burn a DVD with the activation file, and a DVD for the Marked Content

-The Marked TV content will now play on User 2's player, but User 2's existing content will not play anymore. Only files encoded by User 1 will play.

-User 2 must re-register his device to play his content again, costing another activation. The original activated device cannot be removed. He has 4 "slots remaining".

-The DivX process will force abusive users to revoke their own rights by running out of device registration "slots". (DivX Server will deny further activations)

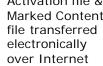


Activation file & Marked Content file transferred electronically over Internet



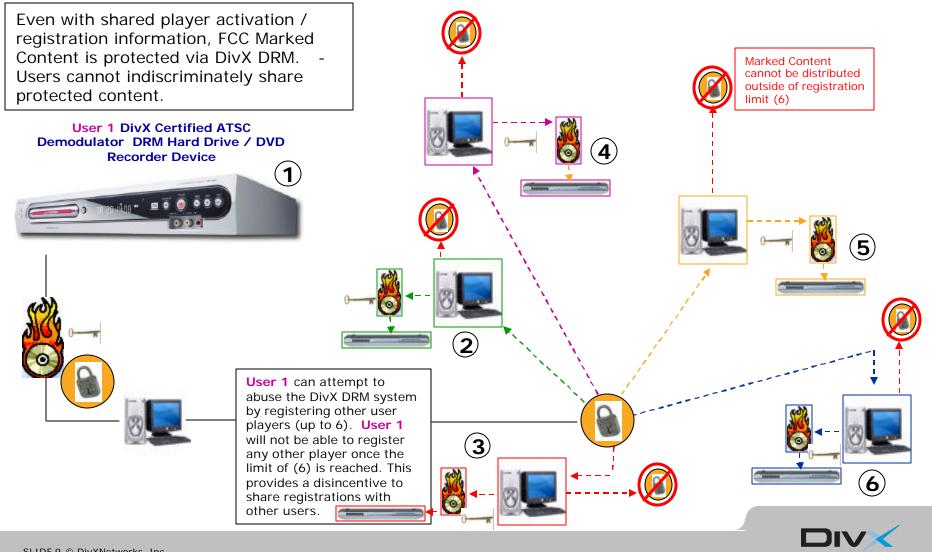


-User 2's PC

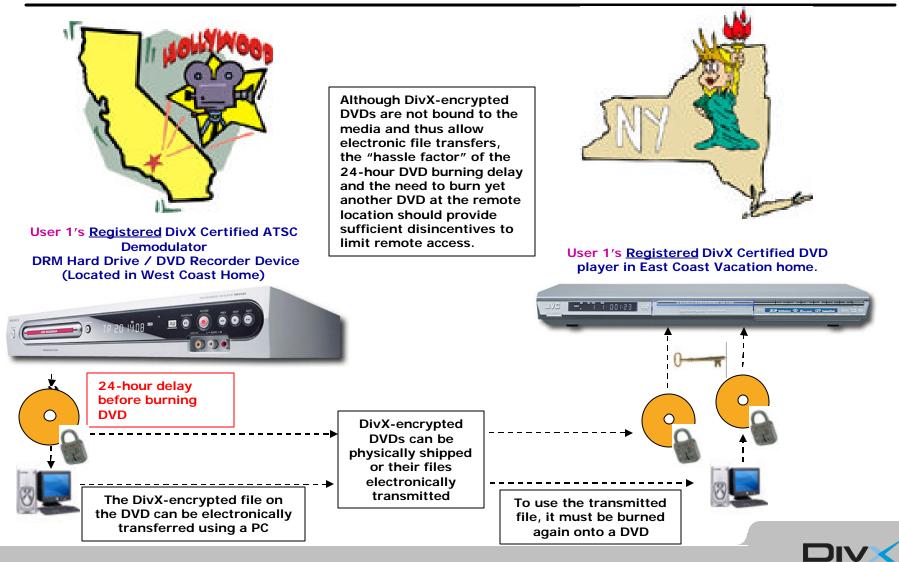




FCC Broadcast Flag – How it works... DivX DRM –"Indiscriminate" distributor limitation (-Worst Case Scenario)



FCC Broadcast Flag – How it works... Encoding with DivX DRM – Usage/Compliance Rules (Acceptable use scenario)



FCC Broadcast Flag – How it works... Encoding with DivX DRM – SUMMARY

- DivX Video is an established MPEG-4 encoding technology suitable for Consumer Electronics and PC applications
- DivXNetworks has an install base of 20M+ DVD Players and Personal Video Players. All have DivX DRM as part of DivX Certification process.
- DivX DRM will give effect to the Broadcast Flag while enabling a rich consumer encoding/playback experience with SD (Standard Definition), and HD (High Definition) video.
- DivX DRM cryptographically binds Marked Content recordings to a maximum of six DivX Certified consumer electronics devices registered to a single account.
- Device registration process will include geographic IP filtering of the PC requesting registration to ensure device registrations are occurring within the United States and an e-mail address verification process to provide identitybased user confirmation.
- The "hassle factor" of the 24-hour DVD burning delay and the need to burn yet another DVD at the remote location should provide sufficient disincentives to limit remote access of Marked Content.

